

Amendment to the Claims:

Please substitute the following listing of the claims for all prior listings of the claims:

Claims 1-110 (Cancelled)

111. (Currently amended) An assembled bone implant suitable for implantation into a patient comprising:

a first cortical bone portion;

a second cortical bone portion;

said first cortical bone portion and said second cortical bone portion having one or more ~~circular~~ through holes sized and positioned for receiving one or more retention pins for connecting said first cortical bone portion to said second cortical bone portion; and

one or more retention pins of appropriate diameter for fitting said through holes and connecting said first cortical bone portion to said second cortical bone portion ~~to form and forming said assembled bone implant as a unitary body outside of said patient, said assembled bone implant being suitable for implantation into said patient.~~

112. (Previously presented) The assembled bone implant of claim 113, wherein said first cortical bone portion and said second cortical bone portion each have a D shape.

113. (Previously presented) The assembled bone implant of claim 111, wherein said first cortical bone portion is stacked over said second cortical bone portion.

114. (Previously presented) The assembled implant of claim 112, wherein said retention pin is selected from the group consisting of cortical bone, a bioabsorbable synthetic polymer and titanium.

115. (Previously presented) The assembled implant of claim 114, wherein said

retention pin is cortical bone.

116. (Previously presented) The assembled implant of claim 111, wherein said first cortical bone portion is a mirror image of said second cortical bone portion.

117. (Previously presented) The assembled implant of claim 112, wherein the implant has a beveled edge of defined radius.

118. (Currently amended) The assembled implant of claim ~~111~~ 115, wherein said first cortical bone portion and said second cortical bone portion are in a stacked position relative to one another.

119. (Cancelled)

120. (Previously presented) The assembled implant of claim 112, wherein said first cortical bone portion and said second cortical bone portion are allograft bone.

121. (Previously presented) The assembled implant of claim 112, sized and shaped in the form of a cervical implant.

122. (Previously presented) The assembled implant of claim 112, having a height between 7 and 14 mm.

123. (Previously presented) The assembled implant of claim 111, wherein said one or more retention pins comprise a cancellous bone portion.

124. (Previously presented) The assembled implant of claim 123, wherein said cancellous bone portion is treated with a bone morphogenetic protein (BMP).

125. (Previously presented) The assembled implant of claim 112, wherein said

implant has two opposing surfaces that are inscribed with teeth.

126. (Previously presented) A D-shaped assembled bone implant for implantation into a patient comprising:

a first cortical bone portion having a D shape; and

a second cortical bone portion having a D-shape;

said first cortical bone portion and said second cortical bone portion being superimposed to form D-shaped implant having the combined thickness of said first cortical bone portion and said second cortical bone portion, said D-shaped implant having a through-hole sized and positioned for receiving a retention pin for retaining said first cortical bone portion to said second cortical bone portion in stacked formation.

127. (Previously presented) The assembled implant of claim 126, wherein said retention pin is a cortical bone pin.

128. (Previously presented) The assembled implant of claim 126, wherein said retention pin is a cancellous bone portion is treated with a bone morphogenetic protein.

129. (New) An assembled bone implant suitable for implantation into a patient comprising:

a first cortical bone portion of allograft bone;

a second cortical bone portion of allograft bone;

said first cortical bone portion and said second cortical bone portion having one or more through holes sized and aligned for receiving one or more retention pins for connecting said first cortical bone portion to said second cortical bone portion; and

one or more retention pins of appropriate diameter for connecting said first cortical bone portion to said second cortical bone portion and forming said assembled bone implant outside the body of a patient as a unitary body suitable for implantation into a patient.

130. (New) The assembled bone implant of claim 129, wherein said first cortical bone portion and said second cortical bone portion each have a D shape.

131. (New) The assembled bone implant of claim 129, wherein said first cortical bone portion is stacked over said second cortical bone portion.

132. (New) The assembled implant of claim 130, wherein said retention pin is selected from the group consisting of cortical bone, a bioabsorbable synthetic polymer and titanium.

133. (New) The assembled implant of claim 132, wherein said retention pin is cortical bone.

134. (New) The assembled implant of claim 133, wherein said first cortical bone portion is a mirror image of said second cortical bone portion.

135. (New) The assembled implant of claim 134, wherein the implant has a beveled edge of defined radius.

136. (New) The assembled implant of claim 133, wherein said first cortical bone portion and said second cortical bone portion are in a stacked position relative to one another.